<b>Work Orde</b> January 18, 2011	r ID 65469 10:30:32 AM										Page 1
Revision ID: Item Name:	D3482-1 Inlet Insulation Sock		_	Accept				s s	etup Star Sto		
Start Date: Required Date: Reference:	1/1 <u>8</u> /11 Star 1/31/11 Req	rt Qty: 4.00	ਠ   <b>         </b>		Cust Item I Customer:	D:					
Approvals:	Process Plan: QC:		Date:       O	Tooling: SPC (Y/N):		ate:		R	kun Stai Sto		
Sequence ID/ Work Center ID		ration ription		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr D3482	Revision I	Nbr									
100  Purchasing  Purchasing		CHASING  Memo  Issue P/O: _ Supplier: To	<u>∤3312</u> □Fabric empro Tec Inc□Material rele	0.00  0.00  ate as per Dwg D3482 ase note is required	□Possible			Cò	L 11/6	0(1/8	8
110 Packaging Packaging	Recei	Memo	amage & Mat'l Certs  erial certification is attached	0.00				_6	/u/= 7	1.6	£
120 QC	QC6-	Inspect dimension  Memo	s to drawing	0.00 Sw	orlog			(tO)	)		

Quality Control

# **Dart Aerospace Ltd**

W/O:			W	ORK ORDER CHANG	ES				
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								Prod Mgr	
Part No	. <u> </u>	PAR #:	Fault Cat	egory:	_ NCR: Yes	s No De	Verification Approval Approval Section C Chief Eng QC Inspector		
	R	esolution:	Dispositi	Date: _					
NCR:		V	VORK ORE	DER NON-CONFORMA	ANCE (NO	R)			
		Description of NC	C Corrective Action Section			Veri	fication	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sigr Da	ı&   <sub>Se</sub>			
					-				

NOTE: Date & initial all entries

<sup>.</sup> H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### Work Order ID 65469



Page 2

January 18, 2011 10:30:32 AM

Item ID:

D3482-1

**Revision ID:** 

Inlet Insulation Sock Item Name:

**Start Date:** 

1/18/11

Start Qty: 4.00 Required Date: 1/31/11

Req'd Qty: 4.00

Accept

Setup Start

Stop



**Cust Item ID:** 

**Customer:** 

Tool ID

Reference:

Approvals:

Process Plan:

QC:

Date:

Date: Tooling:

**SPC (Y/N):** 

Set Up/

**Run Hours** 

Date:

Date:

Tool # Plan

Code

Run Start

Reject

Qty

Accept

Qty

Stop

Reject

Number

Insp.

Stamp

Sequence ID/ Work Center ID

130

Packaging

Packaging

Operation Description

Identify as per dwg & Stock Location:

0.00

0.00

Memo

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

Memo

0.00

0.00

#### **Dart Aerospace Ltd**

W/O:	-		WC	RK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DG	A:	Date: _		
Resolution: Disposition: QA:				_ QA: N/C C	losed:	ed: Date:				
NCR:			WORK ORDI	ER NON-CONFORMA	NCE (NC	7)				
DATE	STEP	Description of NC		on B	Verif	ication	Approval	Approval		
DAIL	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign of Date		tion C	Chief Eng	QC Inspector	
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Marrie										
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NOTE: Date & initial all entries

#### **Picklist Print**

January 18, 2011 10:30:31 AM

Work Order ID: 65469

Parent Item: D3482-1

Parent Item Name: Inlet Insulation Sock

Start Date: 1/18/11

Required Date: 1/31/11

Page 1

Start Oty: 4.00

Required Qty: 4.00

Comments:

IPP Rev:A New Issue 06-04-21 JLM

IPP Rev:B As per Rev B 06-05-24 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3482-1P		Purchased	No			100	Each	0.0000		4	///2/.	1(	8

INLET INSULATION SOCK

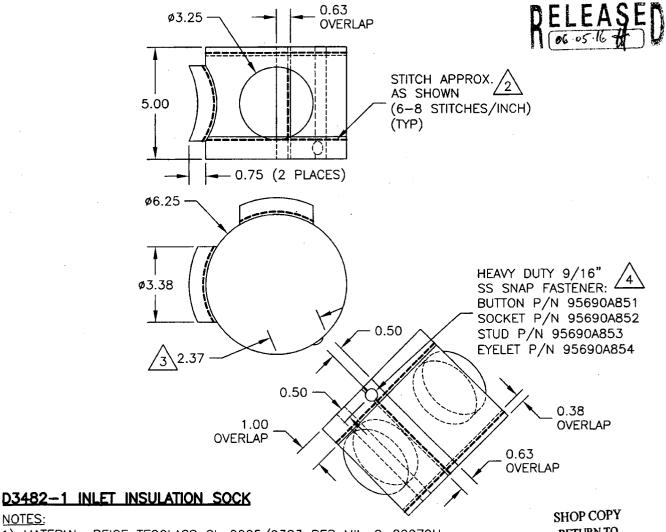
#### **Dart Aerospace Ltd**

W/O:	•		WC	ORK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #:	Fault Cate	gory:	NCR: Yes	No <b>DQ</b>	A:	Date: _	
	Resolution:			n:	QA: N/C CI	osed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NCR	)			
DATE	STEP	Description of NC			tion B		cation	Approval	Approval
DAIL	0,121	Section A	Initial Chief Eng	Action Description Chief Eng	Date	Sect	ion C	Chief Eng	QC Inspector
					}				
1									

NOTE: Date & initial all entries



	1	1		
DESIG	1	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	)
CHEC	KED ##	APPROVED	DRAWING NO.	REV. B
	<del>M</del>	#	D3482 SHEET	T 1 OF 3
DATE			TITLE	SCALE
06.0	5.16		INSULATION SOCKS & HOSES	1:4
Α		06.03.24	NEW ISSUE	
В		06.05.16	52 WAS 40	



NOTES: 1) MATERIAL: BEIGE TECGLASS GL 2025/9383 PER MIL-C-20079H

TYPE I, CLASS 9 (WITH 9383 FINISH) POSSIBLE SUPPLIER: TEMPRO TEC INC.

2) THREAD: E-18 FIBERGLASS-TFE THREAD PER MIL-C-20079H(SH)

TYPE III, CLASS 3 OR ASTM D 4040-89 POSSIBLE SUPPLIER: TEMPRO TEC INC.

- 3) OPEN/CLOSE OVERLAP WITH SNAP BUTTON
- 4) POSSIBLE SUPPLIER: McMASTER-CARR
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 7) BREAK SHARP EDGES 0.005 TO 0.010 MAX

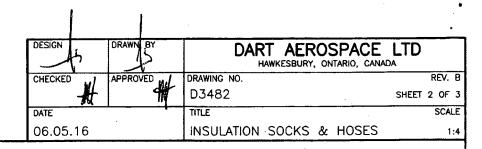
**RETURN TO** ENGINEERING UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER

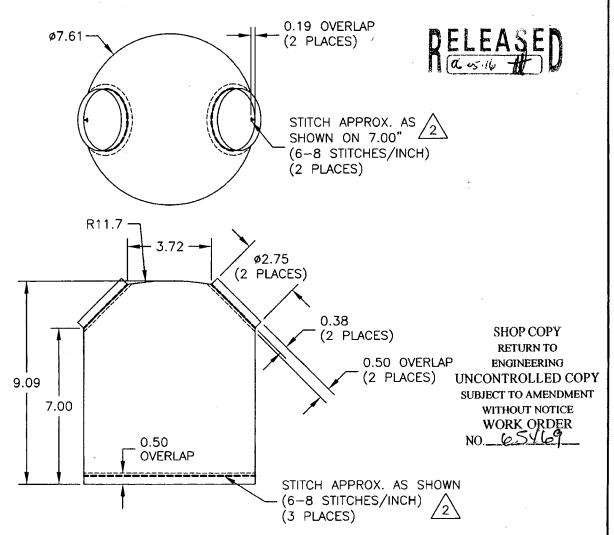
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#### D3482-3 OUTLET INSULATION SOCK

#### NOTES:

1) MATERIAL: BEIGE TECGLASS GL 2025/9383 PER MIL-C-20079H

TYPE I, CLASS 9 (WITH 9383 FINISH) POSSIBLE SUPPLIER: TEMPRO TEC INC.

2) THREAD: E-12 FIBERGLASS-TFE THREAD PER MIL-C-20079H(SH)

TYPE III, CLASS 3 OR ASTM D 4040-89 POSSIBLE SUPPLIER: TEMPRO TEC INC.

- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES 0.005 TO 0.010 MAX

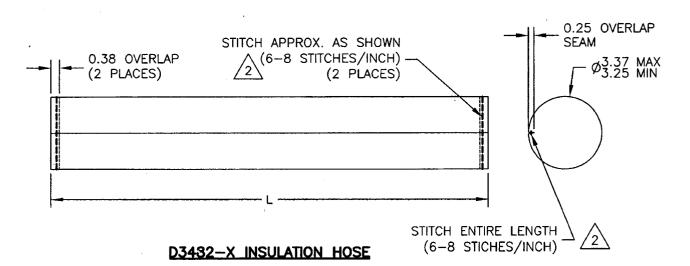
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			•
DESIGN	DRAWN BY	DART AEROSPACE HAWKESBURY, ONTARIO, CANA	
CHECKEDY	APPROVED AL	DRAWING NO.	REV. B
一世	#1	D3482	SHEET 3 OF 3
DATE		TITLE	SCALE
06.05.16		INSULATION SOCKS & HOSES	1:4

# RELEASED 66.05.16



P/N D3482-X	L (in)
D3482-5	20
D3482-7	36
D3482-9	48
D3482-11	30
D3482-13	52

SHOP COPY
RETURN TO
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UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

#### NOTES:

1) MATERIAL: BEIGE TECGLASS GL 2025/9383 PER MIL-C-20079H

TYPE I, CLASS 9 (WITH 9383 FINISH) POSSIBLE SUPPLIER: TEMPRO TEC INC.

2) THREAD: E-12 FIBERGLASS-TFE THREAD PER MIL-C-20079H(SH)

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Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

#### \*\*\*PO REPRINT\*\*\*

#### Purchase Order ID PO13312

Purchase Order Date 1/18/11 PO Print Date 1/19/11

Page Number 1 of 1

Order From:

VC-TEM002

**TEMPRO TEC** 7210C-5TH STREET S.E. CALGARY, AB T2H 2L9 CA

Contact Name

Vendor Phone

403 216 3300

Vendor Fax

403 216 3306

Vendor Account Nbr

Buyer

Requisition Nbr

Chantal Lavoie

Tax Resale Nbr

10127-2607

Terms Currency Net 30

CAD

FOB

Destination-Collect

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nb	r Reference Revision 1D Yendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/. Unit of Measure	Ship Method	Unit Price	Extended Price
1	D3482-1P	INLET INSULATION SOCK	1/26/11	8.00	FedEx PI collect	\$47.0800	\$376.64
_		SOCK	Yes	Each			
		Special Inst:	AS PER DWG B65469	D3482 REV. B			
2 D3482-7P	D3482-7P	HOSE INSULATION	1/26/11	8.00	FedEx Pl collect	\$35.3600	\$282.88
			Yes	Each			
		Special Inst:	DWG AS ABO	OVE			

B65470

PO Total:

\$659.52

CERTIFICATE OF CONFORMITY

No substitution or deviation without

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

Change Date: 1/19/11

# *EMPRO* TEC Inc.

# PACKING SLIP

ORDER NUMBER: 0040858

ORDER DATE: 1/18/2011

SALESPERSON: TT

ORDER DESK: SL

IPRO TEC INC. 0C - 5 Street S.E. gary, Alberta 12L9

800-565-3907 Toll: 403-216-3306 Fax:

Phone: 403-216-3300

)LD TO:

ART AEROSPACE 70 ABERDEEN STREET AWKSBURY, ON K6A 1K7

11:01:26AM

SHIP TO: **DAR100** 

DART AEROSPACE 1270 ABERDEEN STREET HAWKSBURY, ON K6A 1K7

000

WAREHOUSE: SUE BEDFORD TERMS DATE SHIPPED (613) 632-1053 onfrm To: F.O.B. (613) 632-9577 Fax: FRT CHGS NO TERMS relephone: SHIP VIA LOT# COLLECT BACKORDER CUSTOMER P.O. FED EX - 15179324-00 SHIPPED UNIT ORDERED 0.00 13312 DESCRIPTION SET 1.00 ITEM NO. \*NS\* FG Insul Sock # D34821P 0.00 90INSULSK2 SET 1.00 \*NS\* FG Insul Sock # D34827P 90INSULSK2

Waybill #

Packed By



# **Certificate of Compliance**

# Auburn Manufacturing Inc.

P.O. Box 220, Mechanic Palls, ME 04256 U S A tel: 207-345-8271 / fax: 207-345-3380 website: www.aubummfg.com

Purchase Order #: 0009119

Part #: GL2025-60NS-9383-TT

Quantity: 750.00 Yards

Batch/Lot #: 128411/50-1061-TT

Shipping Date: 12/17/10

AMI Cust #: 2571

AMI Order #: 128411

AMI Item #: 50-1061-TT

Cust Part #:

This is to certify that the products listed above have been shipped to:

Tempro Tec Inc

against the referenced purchase order number, and are in full compliance with all applicable specifications listed below. Records of all inspections and tests performed (if required as part of contract acceptance) will be available for review.

Number 1: Meets AMI GL2025-9383 Specifications

Number 2: Heat Cleaned

Number 3:

8 aloslot

Number 4:

Number 5:

Number 6:

Number 7:

Number 8:

Number 9: MADE IN USA

Shelf Life: N/A

Date of Mfg: N/A

Expiration Date: N/A

**Authorized Signature** 

Quality Assistant

Title

ssue Date: 08/31/98

Rev Date: 10/18/98

Rev #: 2

QF3-10-COC



Report To:	

# INSPECTION SHEET FOR TEFLON PTFE COATED GLASS

		<u> </u>	ON PTFE COA	TED GLASS	
CODE N	O: 1 <u>100</u>	2 BC18 GLASS I	_UBED INSP	ECTION DATE:	11/15/2010
LOT NO	, .	319 AJA	OVE	N NO:	1
YARN S	IZE:	GRBC6	DAT	E OF RUN:	11/15/2010
CUSTON	IER PO NO:		COL	OR:	Natural
RAW MA	ATERIAL ORD	ER NO	6478		
		BUR	N OFF TEST: L	UBRICANT	·
	SAMPLE <u>NO.</u>	WEIGHT BEFORE	WEIGHT AFTER	LOSS	% LUBRICANT
PTFE coated glass Size 18	. 1	1.770	1.610	0.160	9.0
s the following:	. 2	1.657	1.521	0.136	8.2
s ASTM D4030- trength and PTF		· 1.061	0.962	0.099	9.3
rements of C-20079H	4	1.112	1.014	0.098	8.8
111 Class 3	5	1.088	0.990	0.098	9.0
$\overline{}$	AVG	1.338	1.219	0.118	8.9
La lad		BUR	N OFF TEST: P	TFE	
(((30)07)	SAMPLE <u>NO.</u>	WEIGHT BEFORE	WEIGHT AFTER	LOSS	% PTFE
	1	1.521	1.288	0.233	15.3
	2	0.962	0.808	0.154	16.0
	3	1.014	0.841	0.173	17.1
	4	0.990	0.824	0.166	16.8
	, 5	0.986	0.825	0.161	16.3
	AVG	1.095	0.917	0.177	16.3
		POL	JNDS TENSILE:		· ·
	2 28.4	3 26.8	4 27.7	5 27.6	AVG 28.0



Leading Through Innovation



#### **Shipping Address:**

12129 Mapleville Road Cavetown, MD 21720

#### **Mailing Address:**

P.O. Box B Hagerstown, MD 21741-1191

Phone: 301-824-6166
Fax: 301-824-6938
Email: fil-tec@fil-tec.com

#### PRODUCT: PTFE Coated Fiberglass Yarn

SECTION 1. IDENTITY OF MATERIAL							
Product Name:	Fiberglass Yarn & Thread with PTFE Coating						
Chemical Description:	Fibrous Glass with PTFE Coating						

SE	CTION 2. HAZARD INGREDIENTS
Hazardous Ingredients:	None. This Product Does Not Meet The Definition Of A Hazardous Material Given In 29CFR Part 1910.1200 (OSHA). Information Is Provided As A Service To Our Customer.

SEC	TION 3. PHYSICAL DATA
Boiling Point (F) MP:	N/A
Vapor Pressure (mm Hg):	N/A
Vapor Density (Air = 1)	N/A
Solubility in Water:	Insoluble
Specific Gravity (H20 = 1):	2.60
Percent Volatile By Volume:	N/A
Evaporation Rate:	N/A
Appearance and Odor:	White or Tan Thread or Yarn – No odor

Revised 01/04/10

Product: PTFE Coated Fiberglass Yarn

Section 4. F	IRE AND EXPLOSION HAZARD DATA			
Flash Point: (Method Used)	N/A			
Extinguishing Media:	Not Combustible			
Unusual Fire and Explosion Hazards:	Thermal Decomposition of PTFE at Temperatures Greater Than 380° C (716°F) Will Emit Toxic & Corrosive Vapors			
Flammable Limits:	N/A			
Special Fire Fighting Procedures:	Wear Self Contained Breathing Apparatus Avoid Inhalation of Smoke			

SECTION 5. REACTIVITY DATA			
Stable:	Yes		
Incompatibility (Materials to Avoid)	None		
Hazardous Decomposition Products:	None		
Hazardous Polymerization:	Will Not Occur		
Conditions To Avoid:	None		

SEC	TION 6. HEALTH HAZARD DATA				
Threshold Limit Value:	N/A Total Dust Should Be Limited to 10 mg/M³				
Routes Of Entry:	Inhalation? Slight if Fibrous Glass is Released				
	Skin? No				
	Ingestion? Unlikely				
Health Hazards (Acute & Chronic):	Acute Skin Irritation Possible From Glass Fibers				
Carcinogenicity:	NTP? NO				
	IARC Monographs? NO				
	OSHA Regulated? NO				
Signs and Symptoms Of Exposure:	See Health hazards Above				
Emergency and First Aid Procedures:	Eyes - Flush With Water				
	Skin - Wash With Soap and Water				
	Respiratory - Remove To Fresh Air. In All Cases Seek Medical Attention If Condition Persists.				

Product: PTFE Coated Fiberglass Yarn

Section 7.	SPILL OR LEAK PROCEDURES
Steps to be Taken In Case Material Is Released Or Spilled:	None
Waste And Disposal Method:	Dispose In Compliance With Local, State And Federal Regulations.

Section 8. Special Protection Information			
Respiratory Protection (Specify Type):	If Significant Exposure to Dusts Exists, Use NIOSH/MSHA Approved Nuisance Dust Respirator.		
Ventilation:	Local Exhaust During Handling Mechanical (General) No Specific Recommendation		
Protective Gloves:	None		
Other Protective Equipment:	No Specific Recommendation		
Eye Protection:	Safety Glasses – Recommended During Processing		

SECTION 9. SPECIAL PRECAUTIONS			
Precautions To Be Taken In Handling And Storing:	Store In A Dry Place		
Other Precautions:	None		

SECTION 10. REGULATORY INFORMATION			
Workplace Classifications:	This product is considered non-hazardous under the OSHA hazard Communication Standard (29CFR 1910.1200).		
Transportation Classifications:	US DOT Hazard Class NONREGULATED		
Emergency Planning & Community Right-To-Know (SARA Title 3)	Section 311/312 Categorizations (40CFR 370) This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.		
Section 313 Information (40CFR 372)	Section 313 Information (40CFR 372) This product does not contain a chemical which is listed in Section 313.		
CERCLA Information (40CFR 302.4)	Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.		
RCRA Information	When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).		

Notice: The information contained herein, is to the best of our knowledge and belief, accurate. Any recommendations or suggestions made are without warranty or guarantee of results since conditions of handling and of use are beyond our control. We therefore, assume no liability for loss or damage incurred by following these suggestions. Seller warrants only that this product will meet the specifications set forth. Any other representation or warranty, either express or implied, is specifically disclaimed including warranties of fitness for a particular purpose and of merchantability. Seller's and manufacturer's only obligation shall be to replace such quantity of the product provided to be defective before using. User shall determine the suitability of the product for user's intended application and user assumes all risk and liability whatsoever in connections therewith. Neither seller nor manufacturer shall be liable in tort, contract or under any theory for any loss or damage, incidental or consequential, arising out of the use of or the inability to use the product.

# AMI-GLAS® AGL, AGLTW, ACGL and ACTGL SERIES

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Names/Synonyms

AMI-GLAS® - aluminized/Woven fiber glass with aluminum alloy on one side, in various forms -

tapes, blankets, etc.

cloth,

Product Identification

AGL, AGLTW, ACGL and ACTGL series.

Chemical Name/Synonyms

Continuous filament fiber glass with 1235 aluminum alloy foil/fibrous glass, glass fibers with aluminum foil.

Manufacturer's Name

Auburn Manufacturing, Inc

P. O. Box 220

Mechanic Falls, ME 04256

207/345-8271

Date prepared

September 30, 1993

Reviewed for content & accuracy Reviewed for content & accuracy

April 3, 2006 March 30, 2009

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Weight %	OSHA-PEL	ACGIH-TLV	<u>OTHER</u>
Fiberglass, continuous filament	≥ 80.0 90.0	) to a.	10 mg/ m <sup>3</sup> . 8-hr TWA	3 x 10 6 fibers/m <sup>3</sup> 10-hr TWA (NIOSH)
Nonhazardous Ingredients				
Aluminum foil 1235 alloy	5.0 to 15.0	15 mg/m <sup>3</sup> dust	10 mg/m <sup>3</sup> dust	
			5 mg/m <sup>3</sup> fume	,
Adhesive Sizing	approx. 1.5 ≤ 3.5		not known -none established	

a. OSHA has not established a specific PEL for fibrous glass. It is considered to be a "particulate not otherwise regulated" (PNOR) and is covered under the OSHA nuisance dust PEL's of 5 mg/m<sup>3</sup> for the respirable dust fraction and 15 mg/m<sup>3</sup> for the total dust fraction for an 8-hr TWA (Time Weighted Average).

# AMI-GLAS® AGL, AGLTW, ACGL and ACTGL SERIES

#### 3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE: Inhalation and skin contact.

HEALTH HAZARDS (Including acute and chronic effects and symptoms of overexposure):

ACUTE:

Inhalation:

Inhalation of dusts and fibers may result in irritation of the upper

respiratory tract (mouth, nose and throat).

Skin Contact:

Skin contact with dusts and fibers may produce itching and

temporary mechanical irritation.

Eye Contact:

Eye contact with fibers and dusts may produce temporary

mechanical irritation.

Ingestion:

Temporary mechanical irritation of the digestive tract. Observe

individual. If symptoms develop, consult a physician.

CHRONIC:

See carcinogenicity section below. There are no known health effects associated

with chronic exposure to this product.

#### CARCINOGENICITY:

Hazardous Ingredients:

Listed as carcinogen by: ACGIH IARC NTP OSHA

Fiberglass continuous filament

No No\* No No

\*IARC: In June, 1987 the International Agency for Research on Cancer (IARC) categorized fiberglass continuous filaments as not classifiable with respect to human carcinogenicity (Group

3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiberglass continuous filaments as a possible, probable, or confirmed cancer causing material.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with a history of chronic respiratory or skin conditions that are aggravated by mechanical irritants may be at increased risk for worsening their condition from exposure during use of fiberglass products. For aluminum foil, pre-existing upper respiratory and lung diseases such as, but not limited to, Bronchitis, Emphysema and Asthma.

# AMI-GLAS® AGL, AGLTW, ACGL and ACTGL SERIES

#### 4. FIRST AID MEASURES

Inhalation: Move individual to fresh air. Seek medical attention if irritation persists.

Skin Contact: Wash with mild soap and running water. Use a washcloth to help remove fibers. To

avoid further irritation do not rub or scratch irritated areas. Rubbing or scratching may

force fibers into the skin. Seek medical attention if irritation persists.

Eye Contact: Flush eyes with flowing water for at least 15 minutes. Seek medical attention if irritation

persists.

Ingestion: N. A. (Not Applicable)

#### 5. FIRE FIGHTING MEASURES

Flash Point (OF): NA (Not Applicable)

Auto Ignition Temperature (OF): NA

Flammability Limits (%): LEL: NA UEL: NA

Extinguishing Media: Water, foam, carbon dioxide, dry chemical

Special Fire-Fighting Instructions: In a sustained fire, self contained breathing apparatus should be

worn.

Unusual Fire and Explosion Hazards: None known.

#### 6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS (Use Appropriate Safety Equipment): For solid product, not applicable. For dusts and fibers generated during fabrication vacuum up and containerize.

#### 7. HANDLING, STORAGE AND DISPOSAL

HANDLING: See Section 8.

STORAGE: No special precautions necessary.

DISPOSAL: Dispose in accordance with federal, state and local regulations as a solid nonhazardous

waste.

# AMI-GLAS® AGL, AGLTW, ACGL and ACTGL SERIES

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**VENTILATION:** 

General dilution ventilation and/or local exhaust ventilation should be provided, as necessary, to maintain exposures below PEL's or TLV's. Adequate ventilation must be provided at elevated temperatures.

RESPIRATORY PROTECTION:

A properly fitted NIOSH/MHSA approved disposable dust respirator such as the 3M model 8210 or model 9900 (in high humidity environments) or equivalent should be used when: high dust levels are encountered; the level of glass fibers in the air exceeds the OSHA permissable exposure limits; or if irritation occurs. Use respiratory protection in accordance with your company's respiratory protection program and OSHA regulations under 29 CFR 1910.134.

EYE PROTECTION:

Safety glasses, goggles or face shields should be worn whenever fiberglass materials are being handled.

PROTECTIVE CLOTHING:

Wear loose fitting, long sleeved shirt that covers to the base of the neck, and long pants. Skin irritation from exposure to fiberglass is known to occur chiefly at pressure points such as around the neck, wrist and waist.

Wear gloves when handling product.

WORK/HYGIENIC PRACTICES:

Handle in accordance with good industrial hygiene and safety practices:

- <u>-</u>
- = Remove fibers from skin after exposure

= Avoid unnecessary exposure to dusts and fibers

- = Be careful not to rub or scratch irritated areas. Rubbing or scratching may force the fibers into the skin. The fibers should be washed off. Use of barrier creams can, in some instances, be helpful.
- = Use vacuum equipment to remove fibers and dusts from clothing. **COMPRESSED AIR SHOULD NEVER BE USED**. Always wash work clothes separately and wipe out the washer/sink in order to prevent loose glass fibers from getting on other clothes.
- = Keep the work area clean of any dusts and fibers generated during fabrication. Use vacuum equipment to clean up dusts and fibers. Avoid sweeping or using compressed air as these techniques resuspend dusts and fibers into the air.
- = Have access to safety showers and eye wash fountains.
- = For professional use only. Keep out of children's reach.

# AMI-GLAS® AGL, AGLTW, ACGL and ACTGL SERIES

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

MELTING POINT (Softening): N.M. (Not

Measured)

BOILING POINT (°C): NA (Not Applicable)

SPECIFIC GRAVITY (Bare Glass): N.M.

PERCENT VOLATILE: NA

VAPOR PRESSURE (mm Hg): NA

VAPOR DENSITY (Air = 1): NA

EVAPORATIVE RATE (Ethyl Ether = 1): NA SOLUBILITY IN WATER: Not soluble

APPEARANCE AND ODOR: White/off-white/tan colored solid on one side/aluminum foil color on the

other side with no odor.

pH: NA

#### 10. STABILITY AND REACTIVITY

STABILITY (Conditions to Avoid): Product is stable.

INCOMPATIBILITY (Materials to Avoid): None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Sizings, adhesive or binders may decompose in a fire. Primary decomposition products include carbon monoxide, carbon dioxide, other

hydrocarbons and water.

HAZARDOUS POLYMERIZATION: Will not occur.

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